

CLAIMS

What is claimed is:

- 1 1. A bearing assembly for a piston rod of a piston cylinder unit, said
2 bearing assembly comprising:
3 a counter-bearing of a component to be carried by the piston rod, said
4 counter bearing comprising a bearing flange having a top side and a bottom side;
5 a bearing body mounting for mounting on the piston rod, said mounting
6 supporting said flange axially on both sides;
7 a slide bearing between said top side and said bearing body mounting;
8 a slide bearing between said bottom side and said bearing body mounting;
9 an axially movable backing disk carrying one of said slide bearings; and
10 a spring which preloads said slide bearings toward the bearing body
11 mounting.
- 1 2. A bearing assembly as in claim 1 wherein said bearing body
2 mounting comprises a sleeve section which defines a minimum distance between said
3 slide bearings.
- 1 3. A bearing assembly as in claim 1 wherein said spring is arranged
2 axially outside of said slide bearings.
- 1 4. A bearing assembly as in claim 1 wherein said spring is arranged
2 axially inside of said slide bearings.

1 5. A bearing assembly as in claim 1 wherein said bearing body
2 mounting comprises an upper bearing disk and a lower bearing disk, said slide bearing
3 being arranged axially between said bearing disks.

1 6. A bearing assembly as in claim 5, wherein one of said bearing
2 disks has a threaded sleeve section which engages a thread of the other bearing disk
3 so that the relative axial position of the two bearing disks is adjustable.

1 7. A bearing assembly as in claim 1 further comprising a bearing body
2 received radially inside of said bearing flange for centering said flange radially with
3 respect to said piston rod.

1 8. A bearing assembly as in claim 7 wherein said bearing body is
2 integrally formed with one of said slide bearings.

1 9. A bearing assembly as in claim 1 wherein said counter-bearing
2 comprises an upper shell and a lower shell, which form respective upper and lower
3 sides of said flange, and an elastomer body arranged between said shells, said
4 elastomer body loading said sides axially toward said slide bearings.